

IN THE CLAIMS:

Please cancel claims 7, 13, 19 and 23 without prejudice to or disclaimer of the subject matter presented therein.

Please amend claims 1, 2, 3, 5, 8, 9, 12, 14, 15, 16, 18, 20, 22 and 24-31 to read as follows:

- 1.(Currently Amended) A data processing apparatus, comprising:
 - a) input means for inputting material data;
 - b) encoding means for encoding the material data to form contents data;
 - c) forming means for forming intellectual property management information ~~on intellectual property rights in technological aspects necessary for forming the contents data~~ from information of at least one of a patent and a utility model so as to control data processing of the contents data; and
 - d) addition means for adding to the contents data the intellectual property management information formed by said forming means.
- 2.(Currently Amended) An apparatus according to claim 1, wherein said encoding means forms ~~MPEG-4~~ MPEG-4 encoded data.
- 3.(Currently Amended) An apparatus according to claim 2, wherein said addition means embeds the intellectual property management information in IPMP data.
4. (Original) An apparatus according to claim 1, wherein said encoding means performs encryption on the contents.

5.(Currently Amended) An apparatus according to claim 4, wherein said encoding means encrypts the contents by using key information formed according to the intellectual property management information.

6. (Original) An apparatus according to claim 4, wherein said encoding means performs encryption on the basis of a public-key crypto system.

7. (Cancelled)

8.(Currently Amended) An apparatus according to claim 7 1, wherein the intellectual property management information comprises information on a patent or a utility model used to decode the contents data.

9. (Currently Amended) An apparatus according to claim 7 1, wherein the information on a patent or a utility model includes information on a registration country and a patent number or a utility model registration number.

10. (Original) An apparatus according to claim 1, wherein the material information includes image data.

11. (Original) An apparatus according to claim 1, wherein the material information includes audio data.

12. (Currently Amended) A data processing apparatus, comprising:

- a) input means for inputting material data;
- b) encoding means for encoding the material data to form contents data;
- c) forming means for forming intellectual property management information ~~on intellectual property rights in technological aspects necessary for decoding the contents data~~ from information of at least one of a patent and a utility model so as to control data decoding of the contents data; and
- d) addition means for adding to the contents data the intellectual property management information formed by said forming means.

13. (Cancelled)

14. (Currently Amended) A data processing apparatus, comprising:

- a) input means for inputting encoded contents data and intellectual property management information ~~on intellectual property rights in technological aspects necessary for forming the contents data~~ formed from information of at least one of a patent and a utility model;
- b) discrimination means for discriminating on the basis of the intellectual property management information whether use of the ~~intellectual property rights~~ patent and the utility model are authorized;
- c) decoding means for decoding the contents data; and
- d) control means for controlling said decoding means according to the result of the discrimination made by said discrimination means.

15. (Currently Amended) An apparatus according to claim 14, wherein the contents data comprises data encoded in accordance with the ~~MEPG-4~~ MPEG-4 coding system.

16. (Currently Amended) An apparatus according to claim 15, wherein the intellectual property management information is contained in IPMP data.

17. (Original) An apparatus according claim 14, wherein the content data input by said encoding means is encrypted.

18. (Currently Amended) An apparatus according to claim 17, wherein the content data input by said encoding means is encrypted according to the intellectual property management information.

19. (Cancelled)

20. (Currently Amended) An apparatus according to claim ~~19~~ 14, wherein the information on a patent or a utility model includes information on a registration country and a patent number or a utility model registration number.

21. (Original) An apparatus according to claim 14, wherein the contents data includes image data, said apparatus further comprising display means for displaying a content decoded by said decoding means.

22. (Currently Amended) A data processing apparatus, comprising:

a) input means for inputting encoded contents data and intellectual property management information on intellectual property rights in technological aspects necessary for decoding the contents data formed from information of at least one of a patent and a utility model;

b) discrimination means for discriminating on the basis of the intellectual property management information whether use of the intellectual property rights patent and the utility model are authorized;

c) decoding means for decoding the contents data; and

d) control means for controlling said decoding means according to the result of the discrimination made by said discrimination means.

23. (Cancelled)

24. (Currently Amended) A data processing method comprising:

a) an input step of inputting material data;

b) an encoding step of encoding the material data to form contents data;

c) a forming step of forming intellectual property management information on intellectual property rights in technological aspects necessary for forming the contents data from information of at least one of a patent and a utility model so as to control data processing of the contents data; and

d) an addition step of adding to the contents data the intellectual property management information formed in said forming step.

25. (Currently Amended) A data processing method comprising:

- a) an input step of inputting material data;
- b) an encoding step of encoding the material data to form contents data;
- c) a forming step of forming intellectual property management information ~~on intellectual property rights in technological aspects necessary for decoding the contents data~~ from information of at least one of a patent and a utility model so as to control data decoding of the contents data; and
- d) an addition step of adding to the contents data the intellectual property management information formed in said forming step.

26. (Currently Amended) A data processing method comprising:

- a) an input step of inputting encoded contents data and intellectual property management information ~~on intellectual property rights in technological aspects necessary for forming the contents data~~ formed from information of at least one of a patent and a utility model;
- b) a discrimination step of discriminating on the basis of the intellectual property management information whether use of the ~~intellectual property rights~~ patent and the utility model are authorized;
- c) a decoding step of decoding the contents data; and
- d) a control step of controlling said decoding step according to the result of the discrimination made in said discrimination step.

27. (Currently Amended) A data processing method comprising:

a) an input step of inputting encoded contents data and intellectual property management information ~~on intellectual property rights in technological aspects necessary for decoding the contents data~~ formed from information of at least one of a patent and a utility model;

b) a discrimination step of discriminating on the basis of the intellectual property management information whether use of the ~~intellectual property rights~~ patent and the utility model are authorized;

c) a decoding step of decoding the contents data; and

d) a control step of controlling said decoding step according to the result of the discrimination made in said discrimination step.

28. (Currently Amended) A computer-readable storage medium storing data processing program codes comprising: ~~data processing program codes, said data processing~~

a) a code for an input step of inputting material data;

b) a code for an encoding step of encoding the material data to form contents data;

c) a code for a forming step of forming intellectual property management information ~~on intellectual property rights in technological aspects necessary for forming the contents data~~ from information of at least one of a patent and a utility model so as to control data processing of the contents data; and

d) a code for an addition step of adding to the contents data the intellectual property management information formed in said forming step.

29. (Currently Amended) A computer-readable storage medium storing data processing program codes comprising: ~~data processing program codes, said data processing~~

- a) a code for an input step of inputting material data;
- b) a code for an encoding step of encoding the material data to form contents data;
- c) a code for a forming step of forming intellectual property management information ~~on intellectual property rights in technological aspects necessary for decoding the contents data~~ from information of at least one of a patent and a utility model so as to control data decoding of the contents data; and
- d) a code for an addition step of adding to the contents data the intellectual property management information formed in said forming step.

30. (Currently Amended) A computer-readable storage medium storing codes comprising: ~~data processing program codes, said data processing~~

- a) a code for an input step of inputting encoded contents data and intellectual property management information ~~on intellectual property rights in technological aspects necessary for forming the contents data~~ formed from information of at least one of a patent and a utility model;
- b) a code for a discrimination step of discriminating on the basis of the intellectual property management information whether use of the ~~intellectual property rights~~ patent and the utility model are authorized;
- c) a code for a decoding step of decoding the contents data; and
- d) a code for a control step of controlling said decoding step according to the result of the discrimination made in said discrimination step.

31. (Currently Amended) A computer-readable storage medium storing data processing program codes comprising: ~~data processing program codes, said data processing~~

- a) a code for an input step of inputting encoded contents data, and intellectual

property management information ~~on intellectual property rights in technological aspects~~
~~necessary for decoding the contents data~~ formed from information of at least one of a
patent and a utility model;

b) a code for a discrimination step of discriminating on the basis of the intellectual
property management information whether use of the ~~intellectual property rights~~ patent and
the utility model are authorized;

c) a code for a decoding step of decoding the contents data; and

d) a code for a control step of controlling said decoding step according to the result
of the discrimination made in said discrimination step.